

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00017-840	IDENTIFICATION	MC-006A
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	17
TEST INSTRUMENT	Deadweight Testers Single Piston	PURCHASE ORDER #	
MAKE	Refinery Supply Co.	PROCEDURES FOLLOWED	MC-006A rev. 2
MODEL	35255-003	STANDARDS USED	
RANGE	(50 to 5000) psi	INSTRUMENT	SERIAL NUMBER
ACCURACY	±(0.05% Rdg)	FVM-131	TG2103-1070
CUSTOMER LOCATION	Location1 Location2	FVS-098	F1161200520519
CONDITION RECEIVED	In Tolerance	FVS-114	13209856
CONDITION RETURNED	In Tolerance	FVS-275M	16787403.28
CALIBRATED BY	Alex Paulsen	FVS-913	3992
REVIEWED/ISSUED	D.P. 07/29/2025		
CALIBRATION LOCATION	FVM		
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg		
CALIBRATION DATE	05/14/2025		
RECALIBRATION DUE	05/14/2026		



CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Output Pressure	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)
	500.000	499.750	500.250	500.000	500.000	5.3E-2
	1000.00	999.50	1000.50	1000.00	1000.00	9.0E-2
	2000.00	1999.00	2001.00	2000.00	2000.00	1.8E-1
	3000.00	2998.50	3001.50	3000.00	3000.00	4.4E-1
	4000.00	3998.00	4002.00	4000.00	4000.00	5.5E-1
	5000.00	4997.50	5002.50	5000.00	5000.00	6.6E-1
Weight Mass	(lb)	(lb)	(lb)	(lb)	(lb)	(lb)
1	0.0123009			0.0123009	0.0123009	7.8E-7
2	0.0246011			0.0246011	0.0246011	8.1E-7
2	0.0246011			0.0246011	0.0246011	8.1E-7
5	0.0615039			0.0615039	0.0615039	9.0E-7
10	0.1230090			0.1230090	0.1230090	1.0E-6
10	0.1230090			0.1230090	0.1230090	1.0E-6
10	0.1230090			0.1230090	0.1230090	1.0E-6
10	0.1230090			0.1230090	0.1230090	1.0E-6
	(lb)	(lb)	(lb)	(lb)	(lb)	(lb)
50	0.61503			0.61503	0.61503	4.1E-5
100	1.23009			1.23009	1.23009	4.3E-5
100	1.23009			1.23009	1.23009	4.3E-5
100	1.23009			1.23009	1.23009	4.3E-5

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
100	1.23009			1.23009	1.23009	4.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
500	6.15039			6.15039	6.15039	6.3E-5
Piston Assembly	0.61503			0.61503	0.61503	4.1E-5

COMMENTS

Gravity where calibration was performed: 9.80407 m/s²

Average Effective area: 0.0123000 in²

Example certificate, actual results and uncertainties will be reported at the time of calibration.
 Nominal and limits may vary based on actual make/model.

■ This certificate shall not be altered in any form or reproduced, except in full, without prior written approval from originating lab. These results relate only to the item(s) calibrated. Form Revision 10: 06/04/2024

■ Total expanded measurement uncertainties expressed are based on a confidence level of 95%; coverage factor of (k=2). The statement of compliance in this certificate was issued without taking the uncertainty of measurement into consideration. The customer shall assess the results and uncertainty when determining if the results meet their needs. (This is considered “shared responsibility.”) Uncertainties expressed in nominal units.

■ The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). Calibration was completed in accordance with ISO/IEC 17025:2017, ANSI/NCCL Z540-1-1994 and ANSI/NCCL Z540.3-2006. Other standards listed upon request.